

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An input device for scrolling an image relative to an image display screen along perpendicular axes, said device comprising:

a housing having at least one opening; and

a scroll wheel assembly provided within said housing, said scroll wheel assembly including a rotatable member that is rotatable about a first axis extending within said housing and ~~pivettally~~ slideably movable about a second axis within said opening, said first axis and said second axis being perpendicular to each other; and

a movement sensing system configured to sense rotational movement of said rotatable member about said first axis for scrolling the image in a first scrolling direction;

a plurality of sensors for detecting tensile extension force to the sensors and the force responsive to, the ~~pivotal~~ sliding movement of said rotatable member about the second axis for scrolling the image in a second scrolling direction perpendicular to the first scrolling direction, the sensors resilient extensible;

wherein the image is operable to scroll in the second direction responsive to the detected extension force.

2. (Previously Presented) The input device according to claim 1, wherein said rotatable member is laterally movable along said first axis within said opening.

3. (Previously Presented) the input device according to claim 1, wherein said rotatable member includes a finger-engagable control member including raised side edges and a concave recessed center section.

4. (Currently Amended) The input device according to claim 1, wherein the scroll wheel assembly includes a shaft member extending along said first axis and said rotatable member is slideably coupled to said shaft member, ~~said shaft member and~~ said rotatable member being ~~pivottally slideably~~ movable about said shaft member, axis together.

5. (Currently Amended) The input device according to claim 1, wherein said scroll wheel assembly includes a support member configured for supporting said shaft, said support member being ~~pivottally~~ slideably movable about said second axis.

6. (Original) The input device according to claim 4, further including a shaft supporting system that permits said shaft member and said rotatable member to float within said housing.

7. (Original) The input device according to claim 6, wherein said shaft supporting system includes a pair of arms, each said arms being positioned for supporting a portion of said shaft, and a resilient member positioned between each said cradle and said housing for supporting a respective one of said cradles within said housing.

8. (Currently Amended) The input device according to claim 1, wherein said scroll wheel assembly includes a bracket that pivots slides when rotatable member is moved laterally relative to said opening.

9. (Currently Amended) A method of scrolling an image relative to a display screen using an input device having a housing and a member that is rotatable and pivotal slideable relative to the housing, said method comprising the steps of:

receiving lateral pressure input for pivottally laterally moving the rotatable member in a direction of one side or another side of the rotatable member, wherein the direction is substantially perpendicular to a plane in which said member is rotatable;

sensing at least one of the first tensile force and a second tensile force based on the lateral pressure applied to the rotatable member, the second tensile force being greater than the first tensile force; and

scrolling the image on the display screen in an approximately horizontal direction on the display screen, wherein the scrolling is at a first rate responsive to sensing the first tensile force and at a second rate responsive to sensing the second tensile force, the first rate being less than the second rate.

10. (Currently Amended) The method of scrolling as recited in claim 9, wherein said step of pivottally laterally moving the rotatable member includes the step of pivoting sliding the rotatable member about an axis that extends, parallel to said plane, the plane in which the rotatable member is rotatable.

11. (Currently Amended) The method of scrolling as recited in claim 9, wherein said step of pivotally laterally moving includes the step of applying pressure to a surface of the rotatable member.

12. (Currently Amended) The method of scrolling as recited in claim 9, wherein said controlling step includes horizontally scrolling the image in response to the pivotally laterally moving step; and wherein said method further includes the step of vertically scrolling the image in response to rotation of the rotatable member.

13.-16. (Cancelled)

17. (Currently Amended) A peripheral electronic input device for scrolling an image across a display screen in perpendicular directions, said device comprising:

a housing;

a scroll wheel assembly, said scroll wheel assembly including a rotatable member, that is rotatable in a first plane, and the rotatable member that is laterally movable in a direction of one side or another side of the rotatable member, wherein the lateral movement is relative to said housing in a second plane substantially perpendicular to the first plane, and a sensor positioned within said housing for sensing a period of time of lateral displacement of the rotatable member based on a tensile force applied to the sensor; and

a sensing system coupled to said sensor, said sensing system being configured to generate a signal to scroll the image across the display screen at a first speed if the period of time is less than or equal to a predetermined period of

time, otherwise scrolling the image at a second speed, the second speed being greater than the first speed.

18. (Original) The input device according to claim 17, wherein said rotatable member is laterally movable along a shaft extending within said opening.

19. (Original) The input device according to claim 17, wherein said sensing system is configured to provide a signal corresponding to vertical scrolling of an image when said rotatable member is rotated about an axis and to provide a signal corresponding to horizontal scrolling when said rotatable member is laterally moved relative to the housing based on said sensor.

20. (Currently Amended) The input device according to claim 19, further comprising a support member assembly ~~pivotal~~ slideable with the rotatable member, said supporting member assembly including laterally extending arms, wherein said sensing system is configured to contact opposing lateral sides of the support member when the rotatable member is moved laterally.